

# RF-501F Adjustment Manual

## 1, Equipment

- |                           |           |                       |
|---------------------------|-----------|-----------------------|
| 1-1 Standard Crystal      | 75.690MHz | 1-5 Frequency counter |
| 1-2 Circuit Board Checker |           | 1-6 BNC-BNC Cable     |
| 1-3 Power Supply          |           | 1-7 RF Circuit Board  |
| 1-4 DIN-DIN Cable         |           |                       |

## 2, Preparation

- 2-1 Power supply Power Switch "OFF" and connect AC LINE
- 2-2 Connect Circuit Board Checker and Power Supply.
- 2-3 Connect Circuit board Checker and Frequency counter.(Use BNC-BNC Cable)
- 2-4 Power Supply Voltage Switch is "12V".
- 2-5 Power Supply Power Switch "ON".

## 3, Power Adjustment

- 3-1 Standard Crystal in Circuit board socket.
- 3-2 Circuit Board on Circuit Board Checker.
- 3-3 "T1" 2-3 turn down.
- 3-4 Adjust "T2" (AMP Meter is Max)
- 3-5 Adjust "T3" (AMP Meter is Max)
- 3-6 Adjust "T1" (AMP Meter is Max)
- 3-7 Adjust "T1", "T2", "T3" (Repeat :Power Meter Max)
- 3-8 Coil "L2" isn't Adjustment
- 3-9 Adjust "L1" (Power Meter Max)
- 3-10 repeat. 3-7 ~9. Adjument done.

## 4, Frequency Adjustment

- 4-1 Modulation switch select "HIGH"
  - 4-2 Adjust "VR1". Frequency Counter is "75.691800MHz"
  - 4-3 Modulation switch select "Low"
  - 4-4 Adjust "VR2". Frequency Counter is "75.688300MHz"
  - 4-5 repeat "4-1 ~ 4-4" 2 times.
  - 4-6 Notice :If frequency unstable counted, don't adjust and wait.
- ※ Frequency counter need warming up, at least hour.

5, Frequency 75MHz      75.690MHz    H 75.691700MHz  $\pm$ 200Hz    . L 75.688300MHz  $\pm$ 200Hz